

## **NOTES FROM 06.15.05 PROTON DRIVER MEETING - CIVIL**

Attendees: Bill Foster, Mike May, Bob Webber, Mike Andrews, Duane Plant, Paul Kesich, Kamran Vaziri, Rod Walton, Lee Hammond, Gary VanZandbergen, Ed Crumpley, Chuck Federowicz, Elaine McCluskey

ITEMS DISCUSSED: Most of the meeting was devoted to environmental issues.

1. **Photo walk of beamline:**
  - a. Chuck showed photos of staked portion of beamline.
  - b. Will try to get this onto website
2. **Wetland Determination:**
  - a. Consultant Juli Crane of Planning Resources/Patrick Engineering provided report
  - b. Report states that there are several "wet areas" with high quality vegetation (which means it only grows in certain habitats), particularly swamp white oaks.
  - c. Implication is that mitigation may be required, and 404 Permit may be required for this project individually (implies more work)
  - d. Next step is wetland delineation, stake out area to be disturbed, starts permit process. This requires funding.
  - e. This promises to be at least as rigorous as the Main Injector process
  - f. COE visit planned for 6/14 has been postponed by the COE until 6/24/05. COE will likely accept report from consultant. Will also rule on whether wetlands are "jurisdictional" (connected to waters of the state)
  - g. Will need some wetland mitigation, amount TBD. Good news is that there are lots of potential areas on site.
3. **Endangered species consultation has begun through DOE with the US Fish & Wildlife Service**
4. **Soil Borings for hydrogeological information:**
  - a. Paul Kesich explained what would be done
  - b. As has been done at C0, NuMI/MI65, Booster, would install 3 piezometers with a characterization borehole in the middle. These would go 20 ft into bedrock (about 80 ft down?).
  - c. This would be one set at the Linac absorber
  - d. The purpose is to look at top of bedrock, variability of glacial deposits (which is complicated in this area)
  - e. This information would affect shielding decisions around the absorber.
  - f. Injection absorber already characterized from MiniBooNE work.
  - g. Needs ideally a paved road, or at least a mowed area. Could also do when ground is frozen.
  - h. Paul will prepare purchase requisitions with blanks for task codes.
5. **LEED:**
  - a. Rod reviewed goals of LEED program as environmental protection, occupant health & safety, and energy efficiency.
  - b. These goals are part of the lab's Environmental Management System, DOE Project Management Order 413.3, and FESHM.
  - c. Agreed we wouldn't be trying to get this project "certified", but goals would still guide design decision.
6. **News about FY08 Construction Start:**
  - a. Bill related his conversation with Robin Staffin who said not to give up on FY08 start. Will come back to Bill for details. Asook is in agreement.
  - b. CD-0 can and will proceed.
  - c. CD-1 is tied to the neutrino science advisory group, which will report by November and hopefully will say something good about PD. Siting is part of this.
  - d. CD-2 is tied to P5 group who is meeting 6 times in the next year and doing overall prioritizing. If this is to be in FY08 budget, will need "go" by end of summer 06.
  - e. Discussed that NEPA determination is required for CD-2, something over which we have little control, and requires EA.
  - f. Bill is trying to get DOE memo outlining all this.

- g. Tied into political discussions new director is having about ILC. Support for PD may indicated non-support for ILC at this time. A/E selection decision is also part of this.
- h. May have “pile” of PED funds by FY08.

ITEMS FOR NEXT MEETING:

- Rod – COE visit on 6/14
- A/E selection going forward?
- Report from Dixon/Elaine on SNS visit 6/23-24.

**NEXT MEETING 6/29/05 AT 9:30 A.M. IN THE conFESSional WH5NE**